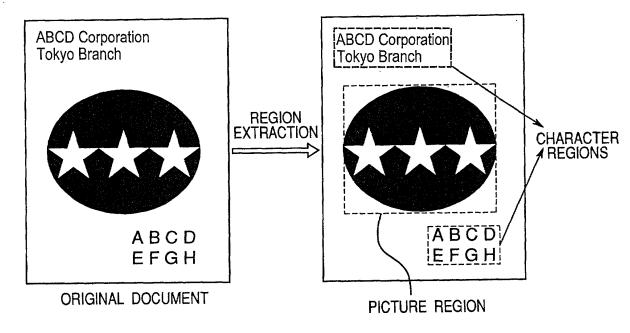
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APPLN. FILING DATE: AUGUST 2, 2001
TITLE: IMAGE PROCESSING WITH RECOGNIZED...
INVENTOR(S): YUKIHIKO ICHIKAWA ET AL.

SHEET 1 of 4 APPLICATION SERIAL No: 09/919,814

Fig.4



APPLN. FILING DATE: AUGUST 2, 2001

TITLE: IMAGE PROCESSING WITH RECOGNIZED...

INVENTOR(S): YUKIHIKO ICHIKAWA ET AL.

APPLICATION SERIAL NO: 09/919,814 S

919,814 SHEET 2 of 4

Fig.7

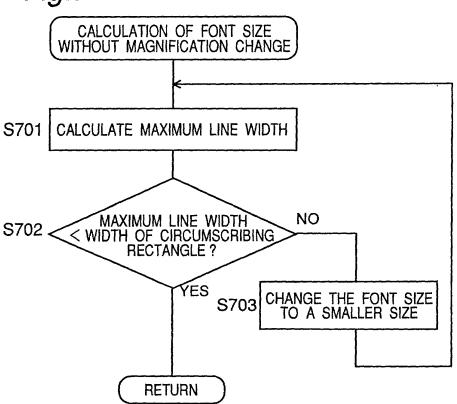
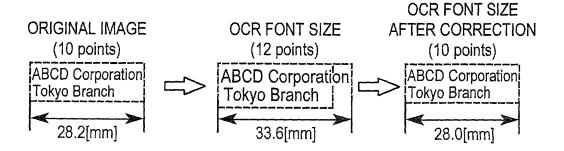


Fig.8



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TITLE: IMAGE PROCESSING WITH RECOGNIZED...

INVENTOR(S): YUKIHIKO ICHIKAWA ET AL.

APPLICATION SERIAL NO: 09/919,814 SHEET 3 of 4

Fig. 15A

DESCRIPTION

1. Name of inventors(s) Yukihiko Ichikawa

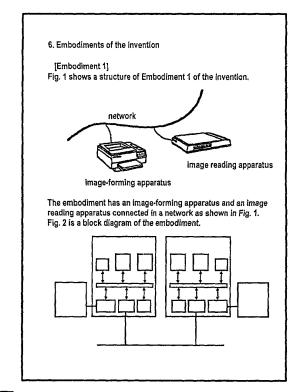
2. Title of the invention/ utility model OCR digital copying machine (setting the number of output sheets, re-layout and 3-in-1)

3. Points of Invention

Characters in a document are recognized with OCR function and are changed to character codes. By paring layout of the encoded data, they are outputted in a layout easy to be read in a processing for decreasing the number of output sheets, such as N-in-1 mode for copy papers.

4. Objects of the invention or background to the invention in a prior art copying machine or MFP, 2(N)-in-1 mode is provided in order to copy 2(N) documents in a paper sheet by reducing the documents. However, in the N-In-1 mode, margins are provided as shown in Fig. ?. Therefore, it is needed to over-reduce the documents. Further, because the reduced documents are arranged in parallel in the layout of the copy paper, it is needed to give attention to the order of the pages and it is troublesome for reading.

5. Patent documents and the like on prior art Patent document number Summary of the technology and the differences





DESCRIPTION

Name of Inventors(s)
Yukihiko ichikawa

Title of the Invention! utility mode!

OR digital copying machine (setting the number of output sheets, re-layout and 3-in-1)

re-agour and sin-1).

A. Points of Inwandion
Characters in a document are recognized with OCR function and are
changed to character codes. By paring layout of the encoded data, they
are outputted in a layout easy to be read in a processing for decreasing
the number of output sheets, such as N-in-1 mode for copy papers.

the number of output sheets, such as N-In-1 mode for copy papers.

4. Objects of the invention or beground to the invention in a prior att copying machine or MFP, 2(N)-In-1 mode is provided in order to copy 2(N) documents in a paper sheet by reducing the documents. However, in the N-In-1 mode, margins are provided as shown in Fig. 7. Therefore, it is needed to over-reduce the documents. Further, because the reduced documents are arranged in parallel in the layer of the copy paper, it is needed to give attention to the order of the pages and it is troublesome for reading.

5. Patent documents and the like on prior art Patent document number

Summary of the technology and the differences

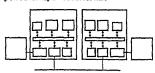
6. Embodiments of the invention

[Embodiment 1]

Fig 1 shows a structure of Embodiment 1 of the invention.



The embodiment has an image-forming apparatus and an image reading apparatus connected in a network as shown in Fig. ι Fig. 2 is a block diagram of the embodiment.



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Fig. 15B

PRIOR ART

